AWS DEC BEGINNERS CLASS

Quick Steps for the process of creating IAM users and groups using access key

Step 1
ACCESS KEY CREATION

1**. Ensure your access key has been downloaded to your system from the aws console. It is usually a csv file.**

For those who are just joining

you can check the link below to help you on how to create an iam user and how to download the access key

https://www.youtube.com/watch?v=HuE-QhrmE1c

Step 2
TERRAFORM SETUP

2.**Install Terraform**

To do this you can download it by going to the terraforms downloads page and download the terraform for windows or mac and follow the instructions there.

Once it has been downloaded, create a folder on C drive and name it terraform. Afterwards, extract the zipped contents of the downloaded terraform file into the folder you just created

To test this, open the command prompt, navigate to the terraform folder and run the command *terraform -v* to confirm that the terraform has been installed appropriately.

Expected response

Terraform v1.9.3
on windows_amd64
+ provider registry.terraform.io/hashicorp/aws v5.60.0

Link to download
https://releases.hashicorp.com/terraform/1.9.3/terraform_1.9.3_windows_amd64.zip

Step 3
TESTING OF TERRAFORM LOCALLY

3. **Create a variables file called *terraform.tfvars* and paste the code below inside the file. Save this file in the terraform folder.**

aws_access_key = "your_access_key_id"
aws_secret_key = "your_secret_access_key"

4. **Create the Terraform Configuration file and name it** *main.tf. S*ave this file in the **terraform folder.**

```
provider "aws" {
  region     = "eu-central-1"
  access_key = var.aws_access_key
  secret_key = var.aws_secret_key
}

variable "aws_access_key" {}
variable "aws_secret_key" {}

resource "aws_iam_user" "your_user" {
  name = "your_user"
}

resource "aws_iam_group" "your_group" {
  name = "your_Group"
}

resource "aws_iam_group" "developers" {
  name = "developers"
  path = "/users/"
}
```

5. **Open cmd and navigate to the terraform folder and initialize Terraform by running this command** *terraform init*

6**. Run this command to plan the creation** *terraform plan*

7. **To apply the plan run the code** *terraform apply*

Expected Response:

Error message: tosin_ilesanmi is not authorized to perform: iam:CreateGroup on resource: arn:aws:iam::186377153774:group/Tosins_Group because no identity-based policy allows the iam:CreateGroup action